

The Equations of Relativistic Radiation Hydrodynamics,  
by V. A. Prokof'yev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1033-1035.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

A Mass-Spectroscopic Study of the Spectral  
Dependence of the Efficiency of Photoionization of  
Benzene Derivatives, by M. E. Akopyan, F. I. Vilesov,  
A. N. Terenin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1037-1040.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

(DC-6419)

The Detection of the Inner Radiation Belt at an Altitude of 320 KM in the Region of the South Atlantic Magnetic Anomaly, by S. N. Vernov, I. A. Savenko, P. I. Shavrin, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961, 1041-1044. 909.5813 115P

Sci Phys - Dok  
Vol VI, No 10

JPRS 11579

180, 154

Sci - Geophys  
Jan 62

NEC

NASA 8127

ERG Canada  
T 361R

NZL 44766

On the Energy Spectra in the Passage of Beta Radiation  
Through Matter, by G. A. Volkov, G. R. Rik, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1045-1047.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

A Binomial Law of Friction, by I. V. Kragel'skiy, 3 pp.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1048-1050.

AIP  
Scv Phys - Dok  
Vol VI, No 10

Sci

Apr 62

A Study of the Effect of Memory in Ferrites, by V. V.  
Potemkin, Yu. V. Vasil'yev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1051-1053.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

The Effect of the Rate of Deformation on the Strength  
and Plasticity of Carbon Steel in Contact With a  
Melt of a Low-Melting Metal, by M. I. Chayevskiy,  
V. I. Likhtman, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1054-1057.

AIP  
Sov Phys - Dok  
Vol VI, No 19

Sci

Apr 62

Ionization in the Night Ionosphere  
(Corpuscular Hypothesis), by G. S. Ivanov-  
Kholodnyy, L. A. Antonova.

RUSSIAN, per, Dok Ak Nauk SSSR, Vo1CXL,  
No 5, 1961, pp 1062-1065.

NASA TT F-8184

Sci - Phys  
15 Jun 62  
US GOV'T USE ONLY

AGI

Ionization in the Night Ionosphere  
(Corpuscular Hypothesis), by G. S. Ivanov-  
Khodolnyy, L. A. Antonova.

RUSSIAN, per, Izv Ak Nauk SSSR, VolCLL,  
No 5, 1961, pp 1062-1065.

NASA TT P-S1C4

Sci - Phys  
15 Jun 62  
US GOV'T USE ONLY

201, 220

Preliminary Results of an Investigation Into Solar  
X-Rays Using Rockets and Space Craft, by B. N. Vasilyev,  
Yu. K. Vorenko, S. L. Mandelshtam, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences  
Section, Vol CXL, No 5, 1961, pp 1058-1061.

AGI

Sci  
Aug 63

[Redacted]  
Ionization in the Nighttime Ionosphere, by  
G. S. Ivanov-Kholodnyy, L. A. Antonova.  
RUSSIAN, per, Dok Ak Nauk SSSR, Vol 140,  
No 5, 1961, pp 1062-1065.  
Dept of Navy APL/JHU T-2327

Sci-Astron  
Nov 69

395,745

The Crystal Structure of Rubidium Di(meta)-  
Fluoroberyllate, RbBe<sub>2</sub>F<sub>5</sub>, by V. V. Ilyukhin, N. V.  
Belov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1964,  
pp 1066-1069.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

The Successive Formation of Products During Liquid-  
Phase Oxidation of Cumene, by V. L. Antonovskiy,  
B. I. Makalets, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5,  
1961, pp 1070-1072.

<sup>CB</sup>  
ATS - RJ - 3650

Sci

Jul 62

SYNTHESIS IN THE FIELD OF 5-NITROFURYL-2-POLYALKENALS AND 5-NITROFURYL-2-POLYALKENONES. THE REACTION OF CARBETHOXYMETHYLENETRIPHENYLPHOSPHORANE AND ACETYLMETHYLENETRIPHENYLPHOSPHORANE WITH A,B-UNSATURATED AND POLYENE ALDEHYDES OF THE 5-NITROFURAN SERIES, BY K. K. VENTER, S. A. GILLER, 3 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 5,  
1961, PP 1073-1075. CB  
SCI JUL 62

204,368

On the Interaction of Bases With Trans-(Pten<sub>2</sub>Cl<sub>2</sub>)  
Cl<sub>2</sub>, by A. A. Grinberg, Yu. N. Kukushkin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5,  
1961, pp 1076-1078.

CB

Sci

Jul 62

The Nature of the Kinetics of Styrene Polymerization  
Initiated by Tertiary Butyl Peroxide and by  
Tertiary Butyl Perbenzoate, by S. S Ivanchev,  
A I. Yurzhenko, N. I. Solomko, 82 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5,  
1961, pp 1079-1082.

CB

Sci  
Jul 62

TOTAL SYNTHESIS OF SOY BEAN OIL GLYCERIDES,  
BY G. A. STEREVRENNIKOVA, T. K. MITROFANOVA, A.  
KRAYEVSKIY, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 5,  
1961, PP 1083-1086.

CB

SCI

JUL 62

204,369

The Question of the Formation of Finely Crystalline  
Structures in Glass, by N. V. Solomin, V. I.  
Shelyubskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vcl CXL, No 5,  
1961, pp 1087-1089.

CB

Sci

Jul 62

Dehydration of Primary Dodecyl Alcohol Over  
Mg Magnesium Sulfate, by I. Spitsyn, I. E. Mikhailenko,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1090-1092.

CB

Sci

Jul 62

THE ELECTRICAL CONDUCTIVITY OF CHELATE POLYMERS,  
BY A. P. TERENT'EV, V. M. VOZZHENNIKOV, 4 PP.

RUSSIAN, PER, DOKLAK NAUK SSSR, VOL CXL, NO 5,  
1961, PP 1093-1095.

CB

SCI

JUL 62

204,370

OXIDATION OF B-NAPHTHCL AND SOME OF ITS DERIVATIVES  
BY PEROXIDE COMPOUNDS, BY M. L. KHIDEKEL',  
A. L. BUCHACHENKO, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 5,  
1961, PP 1096-1099.

CB

SCI  
JUL 62

204,37L

Detection of HO<sub>2</sub> Radicals by Electron Para-magnetic Resonance, by L. I. Avramenko, R. V. Kolesnikova, 2 pp

RUSSIAN, per, Dok Ak Nauk, Vol CXL, No 5, 1961,  
pp 1100-1101. 4676736

\*FTD-TT-62-97

CB

Jan 62  
Sci - /

The Mechanism of Rectification on an Oxidized  
Zirconium Electrode, by N. G. Bardina, P. D. Lukovtsev,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1102-1105.

CB

Sci

196,520

May 62

The Biradical Paradox, by A. I. Burshtein, Yu. I.  
Naberukhin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1106-1109.

CB

Sci

May 62

1961, 521

Slowing Down of Surface Reactions on Catalysts and  
the Mobility of Adsorbed Molecules, by V. Ye.  
Vasserberg, A. A. Balandin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1110-1113.

CB

Sci

1961-522

May 62

Theory of the Autooscillations of the Electrochemical Systems Free of Passivation and With a Falling Characteristic, by A. Ya. Gokhshtein, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1114-1117.

CB

Sci

196, 523

May 62

Effect of the Physicochemical Nature of a Lubricant  
on Its Effectiveness in the Pressure Treatment of  
Metals, by V. M. Korbut, S. Ya. Veiler, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1118-1120.

CB

Sci

May 62

Expansion in Eigenfunctions of a Non-Selfadjoint  
System of Second-Order Differential Equations, by  
M. G. Gimadislamov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1121-1124.

Amer M~~h~~ Math Soc

Sci 073 62-18770

May 62

193,233

The Kinetics of the Growth of a Carbon Surface During  
the Thermal Decomposition of Methane Over the Range  
of Temperature 1400-1700°C, by I. L. Mar'yasin,  
P. A. Tezner, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1121-1124.

E CB

Sci

196,524

May 62

Chemical Reactions Under Chromatographic Conditions,  
by S. Z. Roginskiy, M. I. Yanovskiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1125-1127.

CB

Sci

May 62

Degree of Dispersion and Stability of Emulsions  
Stabilized by Solid Emulsifiers, by A. B. Taubman,  
A. F. Koretskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1128-1131.

CB

Sci

196, 525

May 62

Thermomechanical Curves Study of the Thermal Transformations of Some Rubbers, by B. Ya. Teitelbaum,  
T. A. Yagfarova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1132-1135.

CB

Sci

196,526

May 62

The Effect of Paramagnetic Contaminates on the  
Nuclear Magnetic Resonance Spectra of Some Organic  
Substances, by Yu. Ya. Shamonin, K. A. Gol'dgammer,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1136-1137.

CB

Sci

May 62

Eifelian Deposits of Southern Udmurtia and  
Northeastern Tataria, by V. I. Averyanov,  
2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences  
Section), Vol CXL, No 5, 1961, pp 1138-1140.

AGI

Sci  
Aug 63

The Paleogene of Karaegin, by A. B. Burmakin,  
L. P. Kakhanova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR (Earth Sciences  
Section), Vol CXL, No 5, 1961, pp 1141-1143.

AGI

Sci  
Aug 63

Salt Domes in Betpak-Dala (Southern Kazakhstan),  
by V. I. Ditmar, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, ~~X&I~~ (Earth Sciences  
Section, Vol CXL, No 5, 1961, pp 1144-1147.

AGI

Sci  
Aug 63

Principal Features of the Tectonics of the Cretaceous Complex in the Northwestern Caspian Region , by M. Ye. Leviton, N. M. Muzychko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences Section), Vol CXL, No 5, 1961, pp 1148-1151.

AGI

Sci  
Aug 63

Riphean Deposits of the Base of the Fore-Carpathian Depression, by L. V. Linetskaya, M.V. N. Utrobin,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences Section), Vol CXL, No 5, 1961, pp 1152-1155.

AGI

Sci  
Aug 63

Characteristics of the [REDACTED] Upper Carboniferous Spiriferids of Samarskaya Luka, by V. A. Prokofyev,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences  
Section), Vol CXL, No 5, 1961, pp 1156-1158.

AGI

Sci  
Aug 63

Zonal Sequence of the Fammenian Stage of the Karatau Range, the Western Spurs of Tyan-Shan, and the Western Part of Central Kazakhstan with Respect to Brachiopods, by A. I. Sidyachenko, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences Section), Vol CXL, No 5, 1961, pp 1159-1162.

AGI

Sci

Aug 63

Manifestations of Mud Volcanism in the Deep of the South Caspian, by V. F. Solovyev, Ye. G. Mayev, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences Section), Vol CXL, No 5, 1961, pp 1163-.

AGI

Sci  
Aug 63

The Question of the Conditions of Iron Ore Segregation During Diagenesis, by Z. V. Timofeyeva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, X (Earth Sciences Section), Vol CXL, No 5, 1961, pp 1170-1173.

AGI

Sci  
Aug 63

The Question of the Modes of Migration of Germanium  
During Lithogenesis, by I. P. Lomashov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, (Earth Sciences  
Section, Vol CXL, No 5, 1961, pp 1174-1176,

AGI

Sci  
Aug 63

Endomitosis and Polyteny of Trophoblast Giant Cells,  
by E. V. Zybina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1177-1180.

AIBS

Sci

May 62

Histochemical Study of the Polysaccharide Content During  
the Healing Process in Acute Radiation Necrosis of  
the Skin, by L. A. Afrikanova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1181-1184.

AIBS

Sci

May 62

Autoradiographical and Histochemical Study of Neurogenic  
Trophical Ulcers on the Abdominal Wall of Rabbits, by  
A. A. Zavorzin, S. I. Plotnikova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1185-1188.

AIBS

Sci

May 62

Summer Diapause and Second Wintering of Colorado  
Beetle (*Leptinotarsa Decemlineata* Say) in Trans-  
carpathia, by R. S. Ushatinskaya, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1189-1191.

AIBS

Sci

May 62

Stability of Coefficients of Accumulation of  
Strontium-90, Yttrium-91, and Cerium-144 in Marine  
Algae, by G. G. Polykarpov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1192-1194.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

AIBS  
U.K. Atomic Energy Authority  
Diluting Type Sample 16500

La stabilité des coefficients d'accumulation de stontium-90, yttrium-91 et cerium-144 dans les algues marines, by G. G. Polikarpov, 7 pp.  
RUSSIAN to FRENCH, per, Dok Akad Nauk SSSR,  
Vol CXLII, No 5, 1961, pp 1192-1194.

Reverse Translation  
CEA-R-17456

Dec 64

Increased Cariosity of Teeth due to Ionizing Radiation,  
by Yu. A. Fedorov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1195-1198.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci - ~~Med~~ 9676.290 - FTD-TT-62-183

Apr 62

AIBS

Effect of Inhibitors of Free-Radical Reactions on the  
Activity of Enzymes of the Succinoxidase System, by  
I. I. Pelevina, L. P. Lipchina, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5,  
1961, pp 1199-.

AIBS

Sci

Mar 62

Study of the Synthesis of Mg- and Fe-Porphyrins in  
Isolated Roots, by B. A. Rubin, V. F. Gevilenko, N. V.  
Guzhova, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1201-1204.

AIES

Sci

Mar 62

189, 209

The Effect of Tree Roots Competition on the  
Photosynthesis of Taiga Herbs Spruce in Forests, by  
V. G Karpov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXI, No 5, 1961,  
pp 1205-1208.

AIDS

Sci

Mar 62

188,035

Distribution of Strontium-90 and Cesium-137 in  
Components of a Biogeocoenosis, by G. I. Makhomina,  
N. V. Timofeyev-Bessovskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5,  
1961, pp 1209-1212.

AIRS

Sci

190, 642

Mar 62

On the Sensitivity of Receptors in the Small Intestine  
to Potassium Ions, by L. A. Beraz, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1213-1216.

AIDS

Sci

May 62

• The Energy Metabolism Level in Lancelets, by V. S.  
Ivlev, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1217-1219.

AIBS

Sci

May 62

The Effect of Certain Pharmacological Substances on  
Oxygen Consumption in the Myocardium of a "Dry",  
Isolated, Dog Heart, by L. V. Rozenshtaukh, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1220-1222.

AIBS

Sci

May 62

Preliminary Results of Investigation of Natural Foci  
of Lymphocytic Choriomeningitis in West Ukraine, by  
A. I. Vigovskiy, A. V. & k Guisevich, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
pp 1223-1225.

AIRIS

Sci

May 62

Morphology and Development of Eggs of Posthodiplostomum  
Cuticola (Nordmann, 1832) Dubois, 1936-Causative Agent,  
by V. L. Vladimirov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 5, 1961,  
1961, pp 1226-1228.

AIBS

Sci

May 62

Approximation of Continuous Functions by Super-  
Positions of Plane Waves, by B. A. Vostrecoff, M. A.  
Kreynes, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1237-1240.

Amer Math Soc

Sci

May 62

193,277

Geodesic Surfaces in Manifolds of Affine Connection  
With Complex Structure, by V. A. Gauhman, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1241-1243.

Amer Math Soc

Sci

May 62

Dependence on the Boundary for the Solution of the  
Mixed Problem for a Parabolic Equation, by L. I.  
Kamynin, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1244-1247.

Amer Math Soc

Sci

May 62

193,273

Analytic Solutions to a Certain Class of Partial Differential Equation, by Yu. F. Korobeynik, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1248-1251.

Amer Math Soc

Sci

May 62

193,279

Integral Equations for the Periodic Solutions of  
Whittaker's Equation, by N. N. Lebedev, Ye. D.  
Pergamenceva, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol. CXL, 1961,  
pp 1252-1254.

Amer Math Soc

Sci

May 62

193,280

Construction of Transitional Solutions to Nonlinear  
Equations, by G. Ya. Lyubarskiy, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1255-1258.

Amer Math Soc

Sci

May 62

193, 281  
281.

Level Lines of the Solution to an Elliptic Equation,  
by V. M. Polyakova, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1259-1262  
1259-1262

Amer Math Soc

Sci

May 62

193,232

23

Compact Topological Spaces, by L. A. Skornyakov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1263-1266.

Amer Math Soc

Sci

May 62

193,283

The Length and Area Principle for Q-quasiconformal  
Mappings, by G. D. Suvorov, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1267-1269.

Amer Math Soc

Sci

May 62

193,284

Conjugate Functions and Singular Cauchy Integrals, by  
G. A. Hukivadze, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, 1961,  
pp 1270-1273.

Amer Math Soc

Sci

May 62

193,285

(NY-6502)

Some Properties of Code Systems, by  
V. I. Levenshteyn, 7 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, 1961,  
Vol CXL, No 6, pp 1274-1277.

JPRS 11562

Sci - Electron

Jan 62

AIP  
Sov Phys - Dok  
Vol IV No 10  
178,265

A New Analogy in Mechanics, by I. M. Belen'kiy, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1273-1280.

AIP  
Sov Phys - Dok.  
Vol VI, No 10

Sci

Apr 62

The Quasi-periodical Formation of Precipitates  
Occurring When Two Substances Diffuse Into Each  
Other (Liesegang's Rings), by Ya. B. Zel'dovich,  
G. I. Barenblatt, R. L. Salganik, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1231-1234.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

The Stark Effect of Exciton Levels of Cadmium Sulfide Crystals, by E. F. Gross, B. S. Razbirin, V. I. Safarov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1285-1288.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

Minimum Potentials of Arc Discharge and Two Types of  
Arc With a Cold Cathode, by I. G. Kesayev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1289-1292.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

Study of Angular Correlation of Gamma Quanta Resulting  
From the Annihilation of Positrons and Electrons in  
Zinc, by I. Ya. Dekhtyar, V. S. Mikhalev, 3 pp.

RUSSIAN, per, Dok Ak Nauk FSSR, Vol CXL, No 6, 1961,  
pp 1293-1296.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

Condensation Mechanism of Cu-Ni Alloys, by L. S.  
Palatnik, N. T. Gladkikh, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1297-1300.

AJP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

Recrystallization Diagram of Cast Tungsten, by E. M.  
Savitskiy, M. A. Tylkina, A. I. Pekarev, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1301-1303.

AIP  
Sov Phys - Dok  
Vol VI, No 10

Sci

Apr 62

The Mechanism of Deformation and Orientation of Quartz  
in Tectonites, by M. P. Volarovich, N. E. Galdin, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1304-1306.

AIP  
Sov Phys - Dok  
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Apr 62

THE PREPARATION OF HYDROCARBONS OF A HIGH DEGREE OF PURITY BY TEMPERATURE-GRADIENT CHROMATOGRAPHY, BY O. V. AL'TSHULER, O. M. VINOGRADOVA, 3 PP.

RUSSIAN, PER DOK AK NAUK SSSR, VOL CXL, NO 6,  
1961, PP 1307-1309.

CB

SCI  
JUL 62

204,378

ROUTES FOR THE SYNTHESIS OF THREE-DIMENSIONAL  
HETEROORGANIC POLYMERS OF REGULAR STRUCTURE,  
BY K. A. ANDRIANOV, 4 PP.

RUSSIAN, PER, ~~DOK AK NAUK SSSR~~, VOL CXL, NO 6,  
1961, PP 1310-1313.

CB

SCI

JUL 62

204,379.

Certain Features of the Interaction of Urano-so-Uranic  
Oxide With Acids, by N. I. Blinova, V. M. Solntsev,  
3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6,  
1961, pp 1314-1316.

CB

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Jul 62

INVESTIGATION OF THE REACTIONS OF PHENYL  
RADICALS IN GELATION BY AN ISOTOPE AND MASS  
SPECTROMETRIC METHOD, BY I. P. GRAGEROV, M. YA.  
TURKINS, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 6,  
1961, PP 1317-1320

CB  
AEC SCL T-431

SCI

JUL 62

204,380

THE STATE OF THE WATER IN THE CHLOROPHYLL  
MOLECULE, BY A. V. KARYAKIN, V. M. KUTYUTIN,  
3PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 6,  
1961, PP 132L-1323.

CB  
OTS 63-16723

SCI

204,38L

JUL62

SOME REGULARITIES OF THE OXIDATION OF  
POLYDIMETHYLSILOXANE RUBBER, BY A. S. KUZ'MINSKIY,  
E. A. GOLDOVSKIY, 3 PP.

RUSSIAN, PER DOK AK NAUK SSSR, VOL CXL, NO 6,  
1961, PP 1324-1326.

CB

SCI

JUL 62

204,382

<p>Lebedev, O. L., Khidekel, M. L., and Razuvayev, G. A. ISOTOPIC ANALYSIS OF NITROGEN BY THE ELECTRON PARAMAGNETIC RESONANCE METHOD. 25 Jan 62 [6]p, 3 refs. Order from OTS or SLA \$1.10      62-14991  Trans. of Akad[emiya] Nauk SSSR. Doklady, 1961, v. 140, [no. 6] p. 1327-1329.</p> <p>DESCRIPTORS: Nitrogen, *Paramagnetic resonance, Spectrographic analysis, Magnetic fields, *Nitrogen compounds, Free radicals, Quantitative analysis, *Radioactive Isotopes, Particles, Hyperfine structure, Electrons, *Mass spectroscopy.</p> <p>The EPR spectra were studied in aqueous-alcoholic medium in air at room temperature on an EPA type direct magnification spectrometer with double modu- lation of the magnetic field and an operating frequency (Physics--Molecular, TT, v. 8, no. 9)      (over)</p>	<p>62-14991</p> <p>I. Lebedev, O. L. II. Khidekel, M. L. III. Razuvayev, G. A.</p> <p>Office of Technical Services</p>
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THE FULL SYNTHESIS OF 2,5,7,8-TETRAMETHYL-2-(4,8,12-TRIMETHYLTRIDECANYL)-6-HYDROXYCHROMEN  
(VITAMIN E,  $\alpha$ -TOCOPHEROL) AND ITS DERIVATIVES,  
BY M. E. MAURIT, G. V. SMIRNOVA, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOLCXL, NO 6,  
1961, PP 1330-1333.

CB

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JUL 62

204,383

P-DIMETHYLAMINOPHENYLMERCURY DERIVATIVES OF  
HYDROXYAZO COMPOUNDS AND QUINONE PHENYLHYDRAZONES,  
BY A. N. NESMEYANOV, D. N. KRAVTSOV, 4PP.

RUSSIAN, PER DOK AK NAUK SSSR, VOL CXL, NO 6,  
1961, PP 1334-1337.

CB

SCI

204,384

JUL 62

Equilibrium Conditions for the Reduction of Nickel ~~Eoxy~~  
Ferrite With Hydrogen, by G P. Popov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6,  
1961, pp 1338-1340.

CB

Sci

Jul 62

ROTATORY DISPERSION OF COMPOUNDS OF THE CEDRANE  
SERIES, BY V. M. POTAPOV, M. I. GORYAYEV, 4 PP.

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 6,  
1961, PP L3<sup>41</sup>-13<sup>44</sup>.

CB

SCI

JUL 62

204,385

Radiation Method for the Synthesis of New Derivatives  
of Heterocyclic Compounds, by S A. Safarov,  
M. A. Proskurnin, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6,  
1961, pp 1345-1347.

CB

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Jul 62

HERMAL STABILITY AND INITIATING ACTIVITY OF  
DIACYL PEROXIDES OF PARAFFINIC AND PHENYL-  
CARBOXYLIC ACIDS, BY A. I. YURZHENKO, S.S. IV.  
IVANCHEV, 4 PP.  
RUSSIAN, PER. DOK AK NAUK SSR, VOL CXL, NO 6,  
1961, PP 1348-1351.

CB

SCI

JUL 62

204,386

OXIDATION, REDUCTION, AND DISPROPORTIONATION  
REACTIONS OF POLYFLUORONITROALKANES, BY  
A. YA YAKUBOVICH, V. A. GINSBURG,

RUSSIAN, PER, DOK AK NAUK SSSR, VOL CXL, NO 6,  
1961, PP 1352-1355.

CB

SCI  
JUL 62

204,387

The Explosion Pressure Limit for Gaseous Hydrazoic Acid as a Function of the Spark Pulse Power, by T. A. Aizatullin, V. G. Voronkov, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1356-1357.

CB

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May 62

Explosion Method and Heat of Formation of  $\text{CF}_4$ ,  $\text{CF}_3\text{Cl}$ ,  
 $\text{CFCl}_3$ , and  $\text{CCl}_4$ , by V. F. Baybuz, 3 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 3, 1961,  
pp 1358-1360. 6

E CB

Sci

May 62

196,527

Equilibrium Distribution of Tritium in Hydrogen  
Isotope Exchange, by Ya. M. Varshavskiy, S. A. Ye.  
Vaisberg, 2 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1361-1363.

CB

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May 62

Photoionization of Esters and Metal Carbonyls in the  
Gaseous Phase, by F. I. Vilesov, B. L. Kurbatov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1364-1367.

CB

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196, 528

May 62

Formation of Amalgams of Metals of the Iron Group on a  
Mercury Drop Electrode, by V. F. Ivanov, Z. A. Yofa,  
4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1368-1371.

CB

Sci

196, 529

May 62

Some General Inequalities of Chemical Thermodynamics,  
by A. S. Pleshakov, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1372-1375.

CB

Sci

196, 520

May 62

Formation of Acetylene on Adiabatic Compression  
of Methane, by D. S. Tsiklis, M. D. Borodina, 4 pp.

RUSSIAN, per, Dok Ak Nauk SSSR, Vol CXL, No 6, 1961,  
pp 1376-1379.

CB

196,531

Sci

May 62